

Applications of Mathematics 10

Sample Exam B

(Updated November 2006)

Provincial Examination — Answer Key

Cognitive Processes

K = Knowledge
U = Understanding
H = Higher Mental Processes

Weightings

13.3%
 73.3%
 13.3%

Question Types

52 = Multiple Choice (MC)
8 = Numerical Response (NR)

Topics

1. Problem Solving
2. Number
3. Patterns and Relations
4. Shape and Space
5. Statistics and Probability
(Chance and Uncertainty)

**Prescribed Learning
Outcomes (PLOs)**

A
 B
 C
 D
 E

Weightings

Integrated Throughout
 25%
 25%
 40%
 10%

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type
1.	B	U	1	2	B1	MC
2.	B	U	1	2	B1	MC
3.	A	U	1	2	B6, B2	MC
4.	A	U	1	2	B2, B6	MC
5.	47	U	1	2	B7	NR
6.	B	U	1	2	B7	MC
7.	B	K	1	2	B2	MC
8.	C	U	1	2	B2, B5	MC
9.	C	H	1	2	B2	MC
10.	D	U	1	2	B3	MC
11.	463	U	1	2	B4	NR
12.	D	K	1	2	B1	MC
13.	C	U	1	2	B1	MC
14.	B	H	1	2	B4, D1	MC
15.	A	U	1	2	B7	MC
16.	C	K	1	3	C2	MC
17.	D	U	1	3	C3	MC
18.	C	U	1	3	C1, C3	MC
19.	33.05	U	1	3	C5	NR
20.	C	H	1	3	C4	MC
21.	D	U	1	3	C6	MC
22.	C	U	1	3	C5	MC
23.	B	U	1	3	C4, C2	MC
24.	A	U	1	3	C7	MC
25.	A	U	1	3	C4, C8	MC
26.	D	U	1	3	C4	MC
27.	6.56	U	1	3	C5	NR
28.	A	K	1	3	C7	MC
29.	A	U	1	3	C8	MC
30.	B	H	1	3	C8	MC

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type
31.	B	U	1	4	D9	MC
32.	A	U	1	4	D1	MC
33.	D	U	1	4	D1	MC
34.	210	U	1	4	D2	NR
35.	A	U	1	4	D2, D1	MC
36.	B	H	1	4	D3	MC
37.	C	U	1	4	D3	MC
38.	C	U	1	4	D4	MC
39.	B	K	1	4	D5	MC
40.	64.31	U	1	4	D5	NR
41.	A	U	1	4	D2	MC
42.	D	K	1	4	D6	MC
43.	C	U	1	4	D7	MC
44.	D	H	1	4	D8	MC
45.	C	U	1	4	D8	MC
46.	B	U	1	4	D13	MC
47.	A	U	1	4	D13	MC
48.	-2	U	1	4	D12	NR
49.	B	U	1	4	D12	MC
50.	C	U	1	4	D12	MC
51.	C	U	1	4	D14	MC
52.	B	H	1	4	D10	MC
53.	B	K	1	4	D11	MC
54.	C	U	1	4	D10	MC
55.	A	U	1	4	D11	MC
56.	C	H	1	4	E3	MC
57.	1.5	U	1	5	E3	NR
58.	A	K	1	5	E1	MC
59.	D	U	1	5	E2	MC
60.	C	U	1	5	E4	MC